

1/8

SEQUENCE LISTING

<110> Wyrick, John Young, Richard A. Ren, Bing Robert, Francois Simon, Itamar

<120> Genome-Wide Location and Function of DNA Binding Proteins

<130> 0399.1212-005

<140> 10/032,281

<141> 2001-12-21

<150> 09/654,409

<151> 2000-09-01

<150> PCT/US00/24358

<151> 2000-09-01

<150> 60/151,972

<151> 1999-09-01

<150> 60/257,455

<151> 2000-12-21

<150> 60/323,620

<151> 2001-09-20

<160> 32

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> Mbp 1 consensus binding motifs

<221> misc_feature

<222> 2, 4, 12

<223> n = A, T, C or G

<400> 1

wnrnrwcgcg hn

<210> 2

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> Swi4 consensus binding motifs

12

```
<221> misc_feature
<222> 1, 2, 3, 4
<223> n = A,T,C or G
<400> 2
                                                                       12
nnnncrcsaa aw
<210> 3
<211> 24
<212> DNA
<213> Artificial Sequence
<223> Mcm1/Fkh2 consensus binding motifs
<221> misc feature
<222> 1, 2, 3, 4, 11, 12, 13, 21, 27
\langle 223 \rangle n = A,T,C or G
<400> 3
                                                                       24
nnnnyynnnn nngsnaawwn ryma
<210> 4
<211> 16
<212> DNA
<213> Artificial Sequence
<220>
<223> Mcml consensus binding motifs
<221> misc feature
<222> 7, 11
<223> n = A, T, C or G
<400> 4
wwtwccnraw nrrgwa
                                                                       16
<210> 5
<211> 9
<212> DNA
<213> Artificial Sequence
<223> Ace2 consensus binding motifs
<221> misc_feature
<222> (1)...(9)
\langle 223 \rangle n = A,T,C or G
<400> 5
                                                                       9
rancmmgca
<210> 6
<211> 16
<212> DNA
<213> Artificial Sequence
<220>
<223> Ace2 consensus binding motifs
```

```
<221> misc_feature
<222> 6, 7, 8, 11, 14, 16
<223> n = A,T,C or G
<400> 6
agggannnwk nwrnkn
                                                                        16
<210> 7
<211> 14
<212> DNA
<213> Artificial Sequence
<223> Swi5 consensus binding motifs
<221> misc_feature
<222> 2, 3, 4, 7, 8
<223> n = A,T,C or G
<400> 7
gnnnggnnsc agma
                                                                        14
<210> 8
<211> 13
<212> DNA
<213> Artificial Sequence
<220>
<223> Swi5 consensus binding motifs
<221> misc_feature
<222> 2, 3, 8, 12
\langle 223 \rangle n = A,T,C or G
<400> 8
gnnatgrntg gnk
                                                                        13
<210> 9
<211> 8
<212> DNA
<213> Artificial Sequence
<223> Fkh1/Fkh2 consensus binding motifs
<400> 9
rtaaacaa
                                                                        8
<210> 10
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> Fkh1 consensus binding motifs
<221> misc feature
<222> 2, 3, 5, 7, 8, 9, 10, 12, 13, 14
<223> n = A, T, C \text{ or } G
```

```
<400> 10
rngsngsnnn gnnnssssy
                                                                      19
<210> 11
<211> 12
<212> DNA
<213> Artificial Sequence
<223> Fkh1 consensus binding motifs
<221> misc_feature
<222> 5, 9, 11
<223> n = A, T, C \text{ or } G
<400> 11
                                                                      12
ttykngagaa nt
<210> 12
<211> 13
<212> DNA
<213> Artificial Sequence
<220>
<223> Fkh1 consensus binding motifs
<221> misc feature
<222> 3, 4, 12, 13
<223> n = A, T, C \text{ or } G
<400> 12
kkcnsrssmk ssk
                                                                      13
<210> 13
<211> 67
<212> DNA
<213> Artificial Sequence
<223> Z1372 MBP1 18 myc forward primer
<400> 13
ataagggcgc agaacagatc atcacaatct caaacgcgaa tagtcatgca tccggttctg 60
ctgctag
<210> 14
<211> 67
<212> DNA
<213> Artificial Sequence
<223> Z1372MBP1 18 myc backward primer
<400> 14
ctatttttca gtatatggat acatgtaaag ttcctctatt tatgtatatt cctcgaggcc 60
agaagac
```

```
<210> 15
<211> 67
<212> DNA
<213> Artificial Sequence
<220>
<223> Z1335 SWI4 18 myc forward primer
<400> 15
acattgactc aaaattggac gatatagaaa aggatttgag ggcaaacgca tccggttctg 60
ctgctag
<210> 16
<211> 67
<212> DNA
<213> Artificial Sequence
<220>
<223> Z1335 SWI4 18 myc backward primer
<400> 16
aaaaactctg ataatatagt aaaaattatt ggtacattgt gaattaaaat cctcgaggcc 60
agaagac
<210> 17
<211> 67
<212> DNA
<213> Artificial Sequence
<220>
<223> Z1373 SWI6 18 myc forward primer
<400> 17
aagacattga cactgacgaa atgcaagatt ttttaaaaaaa gcatgcttca tccggttctg 60
ctgctag
<210> 18
<211> 67
<212> DNA
<213> Artificial Sequence
<220>
<223> Z1373 SWI16 18 myc backward primer
<400> 18
aataacttca aataaagtca taaaagttaa tgcaatgaaa tcacatgccc cctcgaggcc 60
agaagac
<210> 19
<211> 67
<212> DNA
<213> Artificial Sequence
<220>
<223> Z1448 FKH1 9 myc forward primer
<400> 19
catccatgga cgtaacaaca aacgcaaacg tgaacaattc ctctctgagt tccggttctg 60
ctgctag
```

```
<210> 20
 <211> 67
 <212> DNA
 <213> Artificial Sequence
<220>
<223> Z1448 FKH1 9 myc backward primer
<400> 20
ctttgttctt tattgtttaa taatacatat gggttcgacg acgctgaatt cctcgaggcc 60
agaagac
<210> 21
<211> 67
<212> DNA
<213> Artificial Sequence
<220>
<223> Z1370 FKH2 18 myc forward primer
<400> 21
aggaactaat actagatacg gatggtgcaa agatcagtat tatcaacaac tccggttctg 60
ctgctag
<210> 22
<211> 67
<212> DNA
<213> Artificial Sequence
<220>
<223> Z1370 FKH2 18 myc backward primer
<400> 22
ccatttctca ttcatttctt tagtcttagt gattcacctt gtttcttgtc cctcgaggcc 60
agaagac
<210> 23
<211> 67
<212> DNA
<213> Artificial Sequence
<220>
<223> Z1369 NDD1 18 myc forward primer
<400> 23
caaggaaaag ctgtaattct aaatctaatg gaaatttatt caattcacag tccggttctg 60
ctgctag
<210> 24
<211> 67
<212> DNA
<213> Artificial Sequence
<220>
<223> Z1369 NDD1 18 myc backward primer
<400> 24
gcttgaaatt tcgattaaaa aaaaaaggtg agatgcaagt ttggttaata cctcgaggcc 60
agaagac
                                                                    67
```

. .

. . . .

```
<210> 25
<211> 67
<212> DNA
<213> Artificial Sequence
<220>
<223> Z1321 MCM1 18 myc forward primer
<400> 25
agaatgctgc ctaccaacaa tactttcaag aaccgcaaca aggccaatac tccggttctg 60
ctgctag
<210> 26
<211> 67
<212> DNA
<213> Artificial Sequence
<220>
<223> Z1321 MCM1 18 myc backward primer
<400> 26
ctttttcctc ttaatgctcg tctatgaatt atatacggaa atcgataaga cctcgaggcc 60
agaagac
<210> 27
<211> 67
<212> DNA
<213> Artificial Sequence
<220>
<223> Z1371 ACE2 18 myc forward primer
<400> 27
cgcacgagca aaactcgaac cgcacccttt caaacgaaac tgatgctctc tccggttctg 60
ctgctag
<210> 28
<211> 67
<212> DNA
<213> Artificial Sequence
<220>
<223> Z1371 ACE2 18 myc backward primer
<400> 28
tattgttact attatttatt atgttaatat catgcataga taaatgttcg cctcgaggcc 60
agaagac
                                                                    67
<210> 29
<211> 25
<212> DNA
<213> Artificial Sequence
<220>
<223> oJW102 primer
<400> 29
gcggtgaccc gggagatctg aattc
                                                                    25
```

8/8

```
<210> 30
<211> 11
<212> DNA
<213> Artificial Sequence
<220>
<223> oJW103 primer
<400> 30
gaattcagat c
                                                                      11
<210> 31
<211> 8
<212> DNA
<213> Artificial Sequence
<220>
<223> Forkhead binding motif
<400> 31
gtaaacaa
                                                                      8
<210> 32
<211> 17
<212> DNA
<213> Artificial Sequence
<220>
<223> Gal 4 activator consensus binding motif
<221> misc_feature
<222> 4, 6, 7, 8, 10, 12, 13, 14
\langle 223 \rangle n = A,T,C or G
<400> 32
cggnnnnntn bnnnccg
                                                                     17
```